

## ECS Configuration Change Request

Page 1 of

Page(s)

1. Originator C.Kenney	2. Log Date: 10/9/01	3. CCR #: 01-0797	4. Rev: -	5. Tel: 301-833-4177	6. Rm #: 3204D	7. Dept. DEV/CO
8. CCR Title: PATCH_6A.04_INGEST.02 For All DAACs. Contains fixes for One Sev-1 NCR(32071), Seven Sev-2 NCRs, Six Sev-3 NCRs and One Sev 5 NCR.						
9. Originator Signature/Date Cherry A. Kenney /s/ 10/09/01			10. Class II	11. Type: CCR	12. Need Date:	
13. Office Manager Signature/Date Randall J. Miller /s/ 10/09/01			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted:			17. Schedule Impact: n/a		18. CI(s) Affected:INGEST	
19. Release Affected by this Change: 6A		20. Date due to Customer: 09AUG2001		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 29280, 30942, 31173, 31537, 31422, 31406, 31460, 31926, 31858, 29742, 32071, 29098, 31652, 31690, 31798,						
23. Problem: (use additional Sheets if necessary) See Page 2 for Detailed List of NCR problems						
24. Proposed Solution: (use additional sheets if necessary)  Tarfile was made on September 23 , 2001						
25. Alternate Solution: (use additional sheets if necessary) Wait until next s/w release.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems						
27. Justification for Emergency (If Block 15 is "Emergency"): Corrections are required at All DAACs to continue regression testing of 6A04.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

## ADDITIONAL SHEET

**CCR #:** 01 - 0797      **Rev:**      - **Originator:** Cherry Kenney

**Telephone:** 301-833-4177      **Office:** 3204d

**Title of Change:** PATCH\_6A.04\_INGEST.02 For All DAACs. Contains fixes for One Sev-1 NCR(32071), Seven Sev-2 NCRs, Six Sev-3 NCRs and One Sev 5 NCR. ATCH\_6A.04\_INGEST.02

Actions

Clearcase

3. Restart INGEST servers.

END OF INSTALL INSTRUCTIONS

Item 23 Continued

St=C, Sv=5, Bug id = ECSed29280, Subsystem = OPS\_INGST, Close-reason = Fixed  
Desc: GSFC/SMC: Configure Ingest to receive data from S4PM system,

St=T, Sv=2, Bug id = ECSed30942, Subsystem = OPS\_INGST  
Desc: 5B.07+:OPS:Bad L7IGS data files causes EclnGran1 server to

St=C, Sv=2, Bug id = ECSed31173, Subsystem = OPS\_INGST, Close-reason = Fixed  
Desc: GSFC/SMC: Ingest of QA with/wo .met and with/wo Linkage via SIPS Interfa, Assigned to = kuhm, Found: 010614

St=C, Sv=2, Bug id = ECSed31537, Subsystem = OPS\_DBDM, Close-reason = Fixed  
Desc: 6A.04 Ingest database: Patch 6105 incorrectly sets the IngestFtpKey., Assigned to = dhope, Found: 010719

St=C, Sv=3, Bug id = ECSed31422, Subsystem = OPS\_DBDM, Close-reason = Fixed  
Desc: OPS:New International Ground Station needs to be configured, Assigned to = dhope, Fou

St=T, Sv=2, Bug id = ECSed31406, Subsystem = OPS\_INGST  
Desc: InReq keeps coring in OPS every 1-2 hours  
Submitted by = maurerj, Found: 010709, Assigned to = bardanuy, Iteration: 6A.04+

St=T, Sv=2, Bug id = ECSed31460, Subsystem = OPS\_INGST  
Desc: TS2:6A.04 GUI as cmshared

St=T, Sv=2, Bug id = ECSed31926, Subsystem = OPS\_INGST  
Desc: 6A.04 InRegMrg core during stress test

St=C, Sv=3, Bug id = ECSed31858, Subsystem = OPS\_DBDM, Close-reason = Fixed  
Desc: Need to add 5 more instance of EclnGran to Ingest,

St=T, Sv=3, Bug id = ECSed29742, Subsystem = OPS\_DBDM  
Desc: GSFC/SMC: Update Landover INS baseline for FDDAQUA

St=T, Sv=1, Bug id = ECSed32071, Subsystem = OPS\_INGST  
Desc: 6A.04 OPS InPolling OldList Cleanup taking very long time

St=C, Sv=3, Bug id = ECSed29098, Subsystem = OPS\_DBDM, Close-reason = Fixed  
Desc: Remove a blank space for the g3arepc data type,

St=C, Sv=2, Bug id = ECSed31652, Subsystem = OPS\_INGST, Close-reason = Fixed

Desc: The Ingest DB Build contains errors for duplicate rows

St=C, Sv=3, Bug id = ECSed31690, Subsystem = OPS\_DBDM, Close-reason = Fixed

Desc: Expedited DataType need to be changed in InDataTypeTemplate.,

St=C, Sv=3, Bug id = ECSed31798, Subsystem = OPS\_INGEST, Close-reason = Fixed

Desc: Need a separate package for delivering INGEST Database. iu,

## Summary of NCRs

ECSed31422 - Added the following dataproviders IGSMTI, IGSSEK, IGSAWE,IGSMTI\_Media, IGSSEK\_Media, and IGSAWE\_Media.

ECSed29280 - Added ESDT "FAILPGE" to InCurrentDataTypeMap and InDataTypeTemplate tables.

### Files in Task:

```
/ecs/formal/INGEST/.EclnDB.iu@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/.cfgpatch@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/.dbparms@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbInitialDatagsfc.sql@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6119.ksh@@/main/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6119.sql@@/main/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6120.ksh@@/main/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6120.sql@@/main/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6120.sql@@/main/dhope_Ingest_IGS_FAILPGE_6A04/2
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbReadMe.txt@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/common/src/sybase@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
/ecs/formal/INGEST/scripts/EclnMkDataDirs@@/main/relb/maint_6A04/dhope_Ingest_IGS_FAILPGE_6A04/1
```

### Test Instructions for Checkout Lab:

Install a 6A04 mode using EcCoAssist. Run DB Patch. Ensure configurable parameter window displays 6120. Check DBoutfile\_schema for possible errors.

NOTE: Do Not use this mode to patch to a 6A05 database! You must create a separate 6A05 mode.

ECSed30942 Fixes L7IGS metadata for the scene corner lat/long doubles that don't have a ".0" on the end.

### . Files in Task:

```
/ecs/formal/INGEST/Preprocess/include/InODLMetadata.h@@/main/relb/mprimett_NCR30942_6A04/1
/ecs/formal/INGEST/Preprocess/src/code2/InODLMetadata.C@@/main/relb/mprimett_NCR30942_6A04/1
/ecs/formal/INGEST/Preprocess/src/code2/InODLMetadata.C@@/main/relb/mprimett_NCR30942_6A04/2
/ecs/formal/INGEST/Preprocess/src/code2/InODLMetadata.C@@/main/relb/mprimett_NCR30942_6A04/3
/ecs/formal/INGEST/Preprocess/src/code2/InODLMetadata.C@@/main/relb/mprimett_NCR30942_6A04/4
```

### Test Instructions for Checkout Lab:

Bring up Ingest. Run an IGSASA polling, and use the PDR IGSASA.20010510043135r1.PDR . Confirm that EclnGran does not core dump.

ECSed31537 - Patch6206: Resets the IngestFtpKey to "NONE"

ECSed31422 - Patch6207: Add IGS IDs IGSULM, IGSEV1, IGSEV3, IGSEV4

ECSed31173 - Patch6208: Add new FileTypeTemplateKeys/FileType

### Files in Task:

```
/ecs/formal/INGEST/.EclnDB.iu@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/1
/ecs/formal/INGEST/.EclnDB.iu@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/2
/ecs/formal/INGEST/.EclnDB.iu@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/3
/ecs/formal/INGEST/.cfgpatch@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/1
/ecs/formal/INGEST/.cfgpatch@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/2
/ecs/formal/INGEST/.cfgpatch@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/3
/ecs/formal/INGEST/.dbparms@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/1
/ecs/formal/INGEST/.dbparms@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/2
/ecs/formal/INGEST/.dbparms@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/3
/ecs/formal/INGEST/common/src/sybase/EclnDbInitialDatagsfc.sql@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbInitialDatagsfc.sql@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/2
/ecs/formal/INGEST/common/src/sybase/EclnDbInitialDatagsfc.sql@@/main/relb/maint_6A04/dhope_Ingest_FtpKey_6A04/3
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6121.ksh@@/main/dhope_Ingest_FtpKey_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6121.sql@@/main/dhope_Ingest_FtpKey_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6122.ksh@@/main/dhope_Ingest_FtpKey_6A04/1
```

/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6122.sql@ @/main/dhope\_Ingest\_FtpKey\_6A04/1  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6123.ksh@ @/main/dhope\_Ingest\_FtpKey\_6A04/1  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6123.sql@ @/main/dhope\_Ingest\_FtpKey\_6A04/1  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/1  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/2  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/3  
/ecs/formal/INGEST/common/src/sybase/EclnDbReadMe.txt@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/1  
/ecs/formal/INGEST/common/src/sybase/EclnDbReadMe.txt@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/2  
/ecs/formal/INGEST/common/src/sybase/EclnDbReadMe.txt@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/3  
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/1  
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/2  
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/3  
/ecs/formal/INGEST/scripts/EclnMkDataDirs@ @/main/relb/maint\_6A04/dhope\_Ingest\_FtpKey\_6A04/1

Test Instructions for Checkout Lab:

Install via EcCoAssist. Ensure configurable parameter window display patch level 6208. Run DB Patch. Check DBoutfile\_Schema for possible errors.

ECSed31406 Added a check in InRequest.C to only call SendMsg if the PAN file is created successfully. Added a check in InRequest::GetUrEntryPtr for a null pointer.

Files in Task:

/ecs/formal/INGEST/RequestMgr/src/Request/InRequest.C@ @/main/relb/bardanuy\_NCR31406\_6A04/1  
/ecs/formal/INGEST/RequestMgr/src/Request/InRequest.C@ @/main/relb/bardanuy\_NCR31406\_6A04/2

Test Instructions for Checkout Lab:

Set the IngestLocalPreModeBasePath in the configuration for EclnReqMgr to null. Do a Polling Ingest and the PAN should not get created, but SendMsg should not get called. This can be verified by seeing that there

ECSed31460 - 1)Added unlink PDR file with path to the InMediaIngest.C to clean up after the file is copied. 2)Added unlink DAA file with path to the InMediaIngestRPUtil.C to clean up after the file is copied 2.1)Changed mv(move) to cp(copy) and cp to mv statement.

. Files in Task:

/ecs/formal/INGEST/GUI/src/gui/InMediaIngest.C@ @/main/relb/maint\_6A04/kuhm\_6A04\_31460\_D3tape/1  
/ecs/formal/INGEST/GUI/src/gui/InMediaIngestRPUtil.C@ @/main/relb/maint\_6A04/kuhm\_6A04\_31460\_D3tape/1

Test Instructions for Checkout Lab:

1) Make sure if the D3 server is up. 2)Test D3 Tape using a user (other) account and check if Ingest GUI pops a window displaying an error message. 3)Test D3

Tape using a user group account (Ex: labuser other than cmshared) and check if Ingest GUI pops a window displaying a message, Media Ingest Request completed.

4)Test D3 Tape using a user group account (cmshared) and check if Ingest GUI pops a window displaying a message, Media Ingest Request completed.

ECSed31926 - Added #include <pthread.h> for SGI65.

4. Files in Task:

/ecs/formal/INGEST/RequestMgr/include/InRequestServer.h@ @/main/relb/kuhm\_6A04\_31926\_InReqMgr\_core/1

Test Instructions for Checkout Lab:

Bring up Ingest Request Manager, EclnGran, and EclnAuto servers and ingest as many data types as possible for many hours and verify if

Ingest Request Manager is cored or if any problem is occurred with the Ingest Request Manager.

ECSed31858: Add five more instances of EclnGran

ECSed29742: Modified FDDAQUA entries for IngestType and TransferFlag

4. Files in Task:

/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6130.ksh  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6130.sql  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6131.ksh  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6131.sql  
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch  
/ecs/formal/INGEST/common/src/sybase/EclnDbLogin  
/ecs/formal/INGEST/common/src/sybase/EclnDbUser

```
/ecs/formal/INGEST/common/src/sybase/EcInDbReadMe.txt
/ecs/formal/INGEST/common/src/sybase/EcInDbInitialDatagsfc.sql
/ecs/formal/INGEST/.cfgpatch
/ecs/formal/INGEST/.dbparms
/ecs/formal/INGEST/.EcInDB.iu
```

Test Instructions for Checkout Lab:

Install via EcCoAssist. Run DB patch. Ensure configurable parameter window displays 6131. Auto patching will occur. Check that the sybase user/passwords are allowing access to the database. Check DBoutfile\_schema for possible errors.

ECSed32071 Fix Polling so that it does not include directories in myFtpFileList, change myFtpFileList to a sorted vector, only call CleanupOld once per pass, only add new files for polling with delivery record to the OldList once instead of twice, and remove code to retrieve the polling timer from memory every pass.

. Files in Task:

```
/ecs/formal/INGEST/Polling/include/InPollingIngestSession.h@ @/main/relb/bardanuy_NCR32071_6A04/1
/ecs/formal/INGEST/Polling/src/poll/InPollingIngestSession.C@ @/main/relb/maint_6A04/bardanuy_NCR32071_6A04/1
/ecs/formal/INGEST/Polling/src/poll/InPollingIngestSession.C@ @/main/relb/maint_6A04/bardanuy_NCR32071_6A04/2
/ecs/formal/INGEST/Polling/src/poll/InPollingIngestSession.C@ @/main/relb/maint_6A04/bardanuy_NCR32071_6A04/3
/ecs/formal/INGEST/Polling/src/poll/InPollingIngestSession.C@ @/main/relb/maint_6A04/bardanuy_NCR32071_6A04/4
/ecs/formal/INGEST/Polling/src/poll/InPollingMain.C@ @/main/relb/bardanuy_NCR32071_6A04/1
```

.Test Instructions for Checkout Lab:

Run Polling with delivery record and polling without delivery record tests.

NCR 31690 - Patch 6128: Modifies erroneous entry for ExpeditedDataType

Files in Task:

```
/ecs/formal/INGEST/.EcInDB.iu@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/.cfgpatch@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/.dbparms@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbInitialDatagsfc.sql@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbInitialDatagsfc.sql@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/2
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6127.ksh@ @/main/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6127.sql@ @/main/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6127.sql@ @/main/dhope_Ingest_MOD44A_VER3_6A04/2
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6128.ksh@ @/main/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6128.sql@ @/main/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6129.ksh@ @/main/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch6129.sql@ @/main/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbPatch@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase/EcInDbReadMe.txt@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/1
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint_6A04/dhope_Ingest_MOD44A_VER3_6A04/2
```

. Test Instructions for Checkout Lab:

Install via EcCoAssist. Patch 6128

ECSed31798 Added Separate database package for INGEST

Files in Task:

```
/ecs/formal/COMMON/.packages@ @/main/relb/maint_6A04/jboliek_NCR31798_6A04/1
/ecs/formal/COMMON/.sitemap@ @/main/relb/maint_6A04/jboliek_NCR31798_6A04/1
/ecs/formal/INGEST/.@ @/main/relb/jboliek_NCR31798_6A04/1
/ecs/formal/INGEST/.EcInDatabase.pkg@ @/main/jboliek_NCR31798_6A04/1
/ecs/formal/INGEST/.EcInINTFCSVR.pkg@ @/main/relb/jboliek_NCR31798_6A04/1
```

Test Instructions for Checkout Lab:

Install the following database package: INGEST

Attachment:

Install Instructions for Patch\_6A.04\_INGEST.02

Use E.A.S.I to install the following packages on all appropriate hosts.

.EcInGUIOPSWs.pkg  
.EcInAPCSVR.pkg  
.EcInINTFCSVR.pkg  
.EcInDatabase.pkg

The only INGEST package this patch does not include is .EcInEMAILSVR.pkg. This package is not delivered since there have been no changes to this code since the delivery of the original 6A.04 delivery. Patch\_6A.04\_INGEST.02 supercedes all previous INGEST patches and/orTEs for 6A.04.

After the packages are installed on the hosts, the configuration of up to 5 new EcInGran servers must be done and all appropriate database patches should be completed. You should do Steps 1 and 2 even if you don't want to add any new EcInGran Servers. If you do not

want to add any new Gran Servers you may skip parts of Step 3, as indicated, and Step 4 but you MUST RUN MKCFG. If you do not want to add any new EcInPolling Clients then you may skip 6, but again you must RUN MKCFG at least once (either step 3 or 6).

We recommend you read all these instructions before starting. You may want to combine steps 3 and 6.

1. For the FIRST mode that is being installed the logins for the new EcInGran Servers (EcInGran2 - EcInGran6) should be added to the appropriate sybase server. (You only do this step ONCE!!!)

On the xxicgmn host (the host where the Ingest Database package is installed) do the following

a. cd /usr/ecs/<MODE>/CUSTOM/dbms/INS

b. Run the following

EcInDbLogin <MODE> sa <sa\_password> <ingest\_database\_srvr> <Ingest\_<MODE>>

examples: EcInDbLogin OPS sa sapasswd t1icg03\_srvr Ingest  
EcInDbLogin TS2 sa sapasswd t1icg03\_srvr Ingest\_TS2

It doesn't matter which mode you use. You will get errors for all the server logins you already have in your database. An example of this error will be:

Msg 17262, Level 16, State 1:  
Server 't1icg03\_srvr', Procedure 'sp\_addlogin', Line 118:  
A user with the specified login name already exists.  
(return status = 1)

But the last five new logins should get the following message  
New login created.  
(return status = 0)  
Password correctly set.  
Account unlocked.

This sets up the logins for EcInGran2, EcInGran3, EcInGran4, EcInGran5, and EcInGran6. The default DB will be set to tempdb for all of these logins.

c. You can verify this by using isql as sa run the sa\_displaylogin command for each new EcInGran server

and/or

select suid, name from syslogins

You will see the 5 new GranServers listed.

2. Next for EVERY MODE you need to add the new users for the Ingest Database.

a. cd /usr/ecs/<MODE>/CUSTOM/dbms/INS

b. Run the following script

```
EcInDbUser MODE USERNAME PASSWORD SERVER DBNAME
```

where MODE is replaced by the currently MODE (OPS, TS1, TS2)

USERNAME is replaced by the dbo (ingest\_role)

PASSWORD is replaced by the dbo password

SERVER is replaced by the sybase server name for the INGEST database

DBNAME is replaced by the database name - Ingest, Ingest\_TS1, or Ingest\_TS2

Again you will see errors reported for all users that are already in the database, but 5 new EcInGran users should be added

c. To verify this use the isql command sp\_helpuser in the appropriate database. You should see the new EcInGran2 - EcInGran6 servers listed.

3. For EVERY MODE you now must run the mkcfg -- This will add the new EcInGran Servers and provide appropriate .CFG files which can be added to the registry. If you don't want any new Gran Servers you should still run Mkcfcg on the hosts where the EcInGran

runs. This creates all the appropriate directories. For the new EcInGran servers it creates the new recovery directories. For new polling providers it makes the new remote and local directories used by polling.

EITHER WAY YOU MUST RUN MKCFG EVERY TIME NEW DATA PROVIDERS ARE INCLUDED IN YOUR DATABASE OR IF NEW GRAN SERVERS ARE INSTALLED.

If you want to add a new Gran server -

a. Start Ecs Subsys Manager on the host where EcInGran server run.

b. Choose the MODE

c. Click on INGEST

d. Click on EcIn

e. Click on Configuration button

f. In the file selection pop-up window click on .cfgInPollwop

g. In the file selection pop-up window click on .cfgInPollop

h. In the file selection pop-up window click on .datapviders

i. In the file selection pop-up window click on .granservers

IF YOU DON'T WANT TO ADD ANY NEW GRAN SERVERS SKIP STEPS j and k

j. In the Ingest Specific Files window click on InGran Server Information

k. A new pop-up box called "Polling Client Setup" will appear. Click on Next until you get to the last EcInGran Server you have configured. Normally this will be EcInGran1. Change EcInGran1 to EcInGran2 and click on add. A new pop-up box will say, "Adding EcInGran2. Do you want to continue?" . Click on Yes.

For every new GranServer you want to add, up to EcInGran6, repeat this step. After you have added all the EcInGran Servers Click on exit.

l. On the Ingest Specific Files Window click on Continue.

m. In the File Selection pop-up window click on .cfgparms. and OK.

n. Now click on OK in the Configurable Parameters window. (No config changes are needed.)

This will run the Mkcfigs. New .CFG and .PCFG files will be created for all servers including the new EcInGran Servers. Also the Recovery directories will be created for the new EcInGran Servers.

o. Now go to the /usr/ecs/<MODE>/CUSTOM/cfg directory and delete all the \*.CFG files except for the ones for the new EcInGran Servers.

p. Populate the Registry with the new Gran Servers information by typing the the following command

```
EcCoPopulateRegistry <MODE> <nnicgxx> ALL <Registry_Database_servername> css_role <css_role_password>
<EcCsRegistry_MODE> <Tree_name>
```

Example: EcCoPopulateRegistry TS2 tlicg03 ALL tlicg03\_srvr css\_role welcome EcCsRegistry\_TS2 TS2\_6A.04

(Note the .rgtpatches do not handle multiple instances such as EcInPolling clients or EcInGran servers. Therefore you must use Populate Registry for these type of changes. Also we DO NOT supply registry patches for NEW Servers, Clients, or GUIs.)

#### SKIP STEP 4 IF NO NEW GRAN SERVERS WERE ADDED

4. For EVERY MODE you must register your new servers with DCE.

- a. Bring up EcsAssist Subsystem manager on the host where the EcInGran servers reside.
- b. Chose the MODE
- c. Click on INGEST
- d. Click on EcIn
- e. Click on the Keytabs Button.
- f. Enter the DCE Cell Admin Password and then click ok.
- g. EcsAssist will register your new servers and put a new Keyfile in the /usr/ecs/<MODE>/CUSTOM/security directory.

5. For EVERY MODE you must apply the latest Database patches.

NOTE: BEFORE YOU APPLY ANY DATABASE PATCH, ALWAYS BACKUP FOR DATABASE.

To apply the database patch do the following:

- a. If EcsAssist SubsysMgr is not already up, bring it up on the host where the Ingest Database packages is installed.
- b. Choose the mode
- c. Click on INGEST
- d. Click on EcIn
- e. Click on the Database button and pick Patch from the Pull Down
- f. Click on .dbparms and then OK in the File selection window.
- g. The PATCH number should say 6132. Enter the DBO ID, Password, SQL Server Name and Database Name. Then Click OK
- h. Verify the Patch is applied correctly by checking the EcInDbPatch.log in the logs directory.

The latest patch adds the the new GranuleServerURKey to the InGranuleServerInfo table. If you want to map data types to use the new GranServer you must set the appropriate GranuleServerURKey in the InDataTypeTemplate table.

To change the GranuleServerURKey use the following isql command

```
update InDataTypeTemplate
set GranuleServerURKey = <number>
where DataType = "<esdt_name>" and VersionID = "<version_number>"
```

example: update InDataTypeTemplate  
set GranuleServerURKey = 4  
where DataType = "AST\_L1BT" and VersionID = "002"



This example would set EcInGran2 as the EcInGran which would process AST\_L1BT version 002 data.

The following table provides a list of GranuleServerURKeys to EcInGranServers

Server	GranuleServerURKey
EcInGran	1
EcInGran0	2
EcInGran1	3
EcInGran2	4
EcInGran3	5
EcInGran4	6
EcInGran5	7
EcInGran6	8

It is left to each DAAC to decide which DataTypes are processed by which EcInGran server.

IF YOU DO NOT NEED TO ADD ANY OF THE POLLING CLIENTS YOU MAY SKIP THIS STEP 6

6. Since the delivery of 6A.04 the following new DataProviders have have been added to the Ingest Database:

Patch 6119 -

Polling With Delivery Record	Media
IGSMTI	IGSMTI_Media
IGSSEK	IGSSEK_Media
IGSAWE	IGSAWE_Media

Patch 6122 -

Polling with Delivery Record	Media
IGSULM	IGSULM_Media
IGSEV1	IGSEV1_Media
IGSEV3	IGSEV3_Media
IGSEV4	IGSEV4_Media

Patch 6132 changes the Data type FDDAQUA from Polling without Delivery Record to Polling with Delivery Record.

For EVERY MODE you wish to set up new Polling Clients you must complete this step.

To set up new polling providers and/or delete old ones do the following

Bring Up EcsAssist as described in step 3.

a. Start Ecs Subsys Manager on the host where EcInPolling runs. (You may have to do this on more than one host - xxicgnn and xxacgnn.)

b. Choose the MODE

c. Click on INGEST

d. Click on EcIn

e. Click on Configuration button

f. In the file selection pop-up window click on .cfgInPollwop (file for Polling without Delivery Record)

g. In the file selection pop-up window click on .cfgInPollop (file for Polling with Delivery Record)

h. In the file selection pop-up window click on .dataproviders (List of all configured Data Providers)

i. In the file selection pop-up window click on .granservers (List of all Gran Servers)

j. In the Ingest Specific Files window click on Polling Data Provider WO/Dr

k. A new pop-up box called "Polling Client Setup" will appear. Click on Next until you get to the one listed for FDDAQUA.

Then click on Remove. A new pop-up box will say, "Deleting data provider FDDAQUA . Do you want to continue?" . Click on Yes. Next click on

Exit

l. In the Ingest Specific Files window click on Polling Data Provider W/DR. Click on next until you get the last DataProvider. Then on top of the currently display information add the following information:

Dataprovider -- (example FDDAQUA)

Polling Timer Interval ( this value is seconds)

Compare File Contents Flag -- no

Polling Directory -- Put the full path name to the Polling Directory

Hostname -- The name of the host where the polling directory resides. (Usually the local host)

Click on Add. A new pop-up will display "Adding data provider <NAME OF data Provider>. Do you want to Continue?" Enter a Yes.

For every new DataProvider you want to add repeat step l

m. After you have added all the new Data Providers Click on Exit. Then on the Ingest Specific Files Window click on Continue.

n. In the File Selection pop-up window click on .cfgparms. and OK.

o. Now click on OK in the Configurable Parameters window. (No config changes are needed.)

This will run the Mkcfgs. New .CFG files will be created for all new Polling clients.

p. Now go to the /usr/ecs/<MODE>/CUSTOM/cfg directory.

q. Compare each EcInPolling.<DataProvider>.CFG file with the associated .rgy file.

You will find the RpcId for will have changed. This new information should be loaded into the Registry for all Polling Clients. To compare the .CFG files with the .rgy files I suggest the following

In the /usr/ecs/<MODE>/CUSTOM/cfg directory run the following:

```
foreach file (*.CFG)
echo $file
diff $file $file.rgy
end
```

The differences in the old .rgy files and the .CFG files will be displayed.

Delete all the \*.CFG files except for the ones that have changed.

r. Populate the Registry with the new Polling Client CFG as explained in step 3.

(Note the .rgtpatches do not handle multiple instances such as EcInPolling clients or EcInGran servers. Therefore you must use Populate Registry for these type of changes. Also we DO NOT supply registry patches for NEW Servers, Clients, or GUIs.)

7. Move the newly generated .CFG files to .rgy files.

Use the following:

In the /usr/ecs/<MODE>/CUSTOM/cfg directory run the following:

```
foreach file (*.CFG)
echo $file
mv $file $file.rgy
echo $file.rgy
end
```

All the .CFG files are now loaded in the Registry and the ".CFG" files have been moved to ".rgy" files.

8. Even though we have changed the EcInGUI binary no configuration changes are required so no special steps are required on the host where the EcInGUI runs. (xxacsnn)

This completes the Installation of 6A.04\_INGEST.02. Please now bring up all Ingest Servers and Polling Clients and verify they start properly by monitoring the appropriate Debug logs.

CM01AJA00

